

sPHENIX Collaboration Meeting



Dave Morrison, Gunther Roland – co-spokespersons

Much has happened ...

We have an Executive Council

- DM (BNL), GR (MIT), Ed O'Brien (BNL) (ex officio)
- Megan Connors (Georgia State) (junior)
- Sarah Campbell (Columbia) (junior)
- Tom Hemmick (Stony Brook)
- John Lajoie (Iowa St.)
- Anne Sickles (UIUC)
- Bill Zajc (Columbia)
- Joern Putschke (Wayne State)
- Jamie Nagle (Colorado)
- Huan Huang (UCLA)
- Itaru Nakagawa (RIKEN)
- Christine Aidala (Michigan)

We have Topical Groups

- **Jet-structure**

- Dennis Perepelitsa (BNL)
- Rosi Reed (Lehigh)

- **Heavy-flavor tagged jets**

- Jin Huang (BNL)
- Mike McCumber (LANL)

- **Upsilon Spectroscopy**

- Tony Frawley (Florida St.)
- Marzia Rosati (Iowa St.)

Following a very useful discussion in the collaboration, settled on three focused topical groups. Received suggestions and volunteers for conveners, asked EC for their advice.

We're having "General Meetings" every two weeks

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sPHENIX General Meetings

May 2016

 06 May [5th sPHENIX Fortnightly General Meeting](#)

April 2016

 22 Apr [4th sPHENIX Fortnightly General Meeting](#)

 08 Apr [3rd sPHENIX Fortnightly General Meeting](#)

March 2016

 25 Mar [2nd sPHENIX Fortnightly General Meeting](#)

 11 Mar [1st sPHENIX Fortnightly General Meeting](#)

A way to keep up with the main developments in the collaboration
Have been well-attended – focus will shift depending on big issues

Communication with the Lab, the Project, and DOE

- STAR and PHENIX have a monthly meeting with BNL Associate Lab Director Berndt Mueller and Physics Department Associate Chair Jamie Dunlop – sPHENIX invited to those quarterly
- sPHENIX spokespersons have bi-weekly meeting with ALD Berndt Mueller and Assoc. Chair Jamie Dunlop specifically about sPHENIX
- sPHENIX spokespersons invited to bi-weekly project management group (PMG) meeting. The PMG is intended to advise ALD about state of the construction project. The collaboration has official voice here (e.g., to raise scientific questions)
- Official communication with DOE via ALD Berndt Mueller – of course, we will grab every opportunity to talk *unofficially* with DOE

Computing Facility

- a new unix group identifier, “sphenix”, has been set up. can be added to RACF accounts for sPHENIX collaborators – regardless of your collaborative ancestry
 - we need to figure out some administrative mechanics: who will field requests?, who will approve?, etc.
- new 100TB filesystem (/sphenix/user) for users to put things they’re analyzing (think: ntuples)
 - writing there requires you have “sphenix” group identifier
 - at this stage, we’ll likely manage space needs via topical groups
- other filesystems already exist for raw data (/sphenix/data/data01) and large scale simulation output (/sphenix/sim/sim01)

Intro | sPHENIX Collaborati

David

← → ↺

https://www.sphenix.bnl.gov/web/

☆

🚫

💬 0

▶

☰

Event Calendar

Blogs

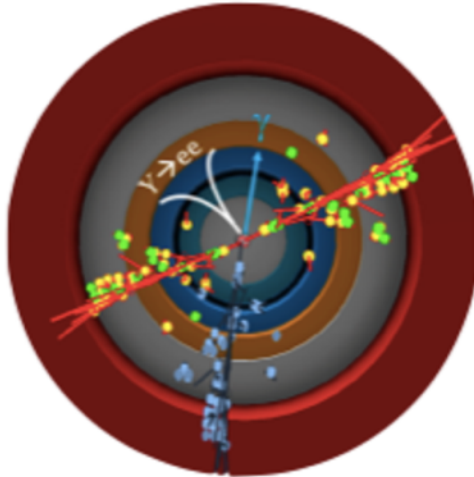
Polls

Home

sPHENIX Collaboration

Intro

sPHENIX is a new detector proposed for the RHIC facility at BNL. sPHENIX will provide state-of-art capabilities for studies of the strongly interacting quark-gluon plasma using jet and heavy-flavor observables. The goal of sPHENIX is to understand the microscopic structure of the plasma and reveal how it's strongly interacting nature arises from the underlying interactions of quarks and gluons described by quantum chromodynamics.



Search

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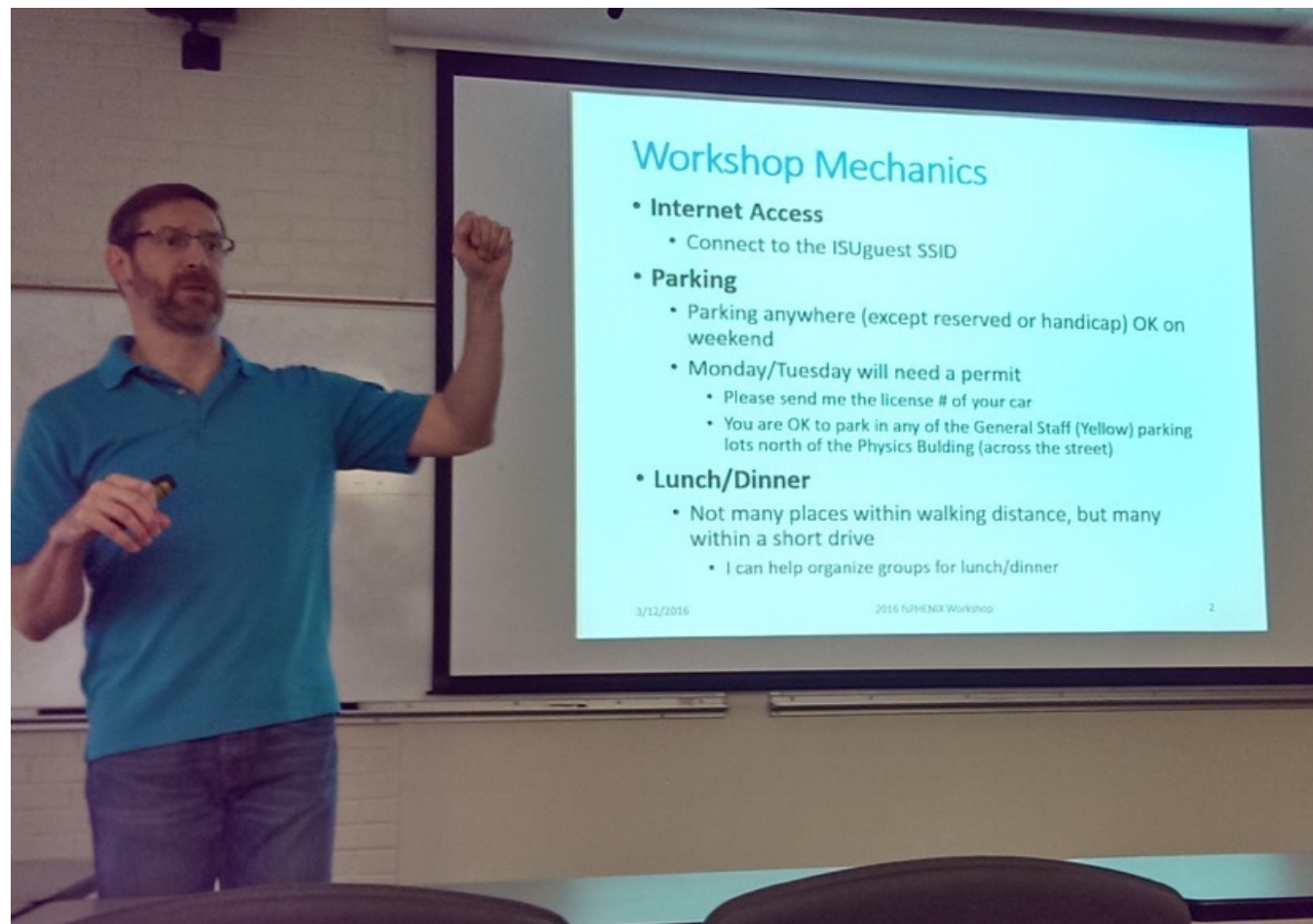
Log in

Navigation

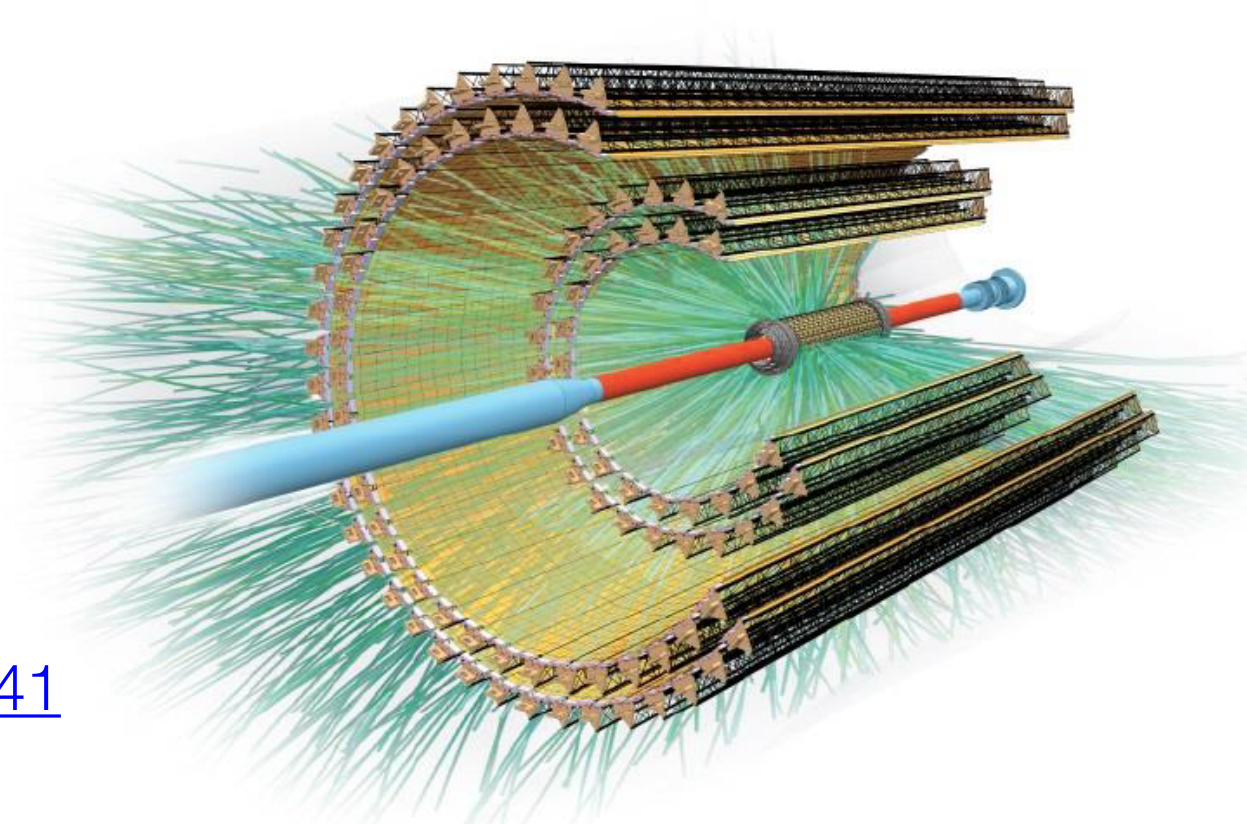
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The plan: RCF logins will allow you to upload material (e.g. slides, papers) to a “draft” area via the web server so that material can be shared with collaborators.

We've had workfests!



forward sPHENIX workfest at Iowa State (March 12–15), web page: <https://indico.bnl.gov/conferenceDisplay.py?confId=1796>



sPHENIX MAPS Cost and Schedule Workfest in Santa Fe (March 31–April 1), web page: <https://indico.bnl.gov/conferenceDisplay.py?confId=1741>

We've just had test beam!





“An army marches on its stomach.”
– Napoleon Bonaparte

“Mmm. Food.”
– all sPHENIX co-spokespeople, ever

The plan for this collaboration meeting

Wednesday, 18 May 2016

| | | |
|---------------|---|---|
| 09:00 - 09:45 | sPHENIX collaboration news and status 45' Speakers: Prof. Gunther Roland (MIT), Dr. David Morrison (BNL) | ▾ |
| 09:45 - 10:15 | FNAL test beam report 30' Speaker: Abhisek Sen (Iowa State University) | ▾ |
| 10:15 - 10:45 | Coffee break (Seminar room lobby) | |
| 10:45 - 12:00 | Response to ALD charge, part I 1h15' Speakers: Dr. David Morrison (BNL), Prof. Gunther Roland (MIT) | ▾ |
| 12:00 - 14:00 | Lunch break (Long Island (anywhere you please)) | |
| 14:00 - 14:45 | Jet structure ToG report 45' Speaker: Dr. Rosi Reed (Lehigh University) | ▾ |
| 14:45 - 15:30 | b-tagged jet ToG report 45' Speaker: Dr. Jin Huang (Brookhaven National Lab) | ▾ |
| 15:30 - 16:15 | Upsilon ToG report 45' Speaker: Dr. Anthony Frawley (Florida State University) | ▾ |
| 16:15 - 16:30 | Break | |
| 16:30 - 18:00 | EC meeting 1h30' (Universe (2-160)) | ▾ |
| 18:00 - 21:00 | <u>sPHENIX Junior Pizza Party</u> (Seminar room lobby) | |



Mmm. Food.

Thursday, 19 May 2016

| | | |
|---------------|---|---|
| 09:00 - 10:00 | sPHENIX project news and status <i>1h0'</i> Speaker: Edward O'Brien (BNL) | ▼ |
| 10:00 - 10:30 | Coffee break (Large Seminar Room - lobby) | |
| 10:30 - 12:00 | Discussion of response to ALD charge <i>1h30'</i> Speaker: Dr. David Morrison (BNL) | ▼ |
| 12:00 - 14:00 | Lunch (Long Island (anywhere you please)) | |
| 14:00 - 15:00 | IB meeting <i>1h0'</i> | ▼ |
| 15:00 - 15:45 | Silicon, part I: VTX pixels, new strip tracker <i>45'</i> Speaker: Gaku Mitsuka (RIKEN) | ▼ |
| 15:45 - 16:15 | Coffee break (Large Seminar Room Lobby) | |
| 16:15 - 17:00 | Silicon, part II: MAPS <i>45'</i> Speaker: Dr. Michael McCumber (Los Alamos National Laboratory) | ▼ |
| 17:00 - 18:00 | TPC report <i>1h0'</i> Speaker: Prof. Thomas Hemmick (Stony Brook University) | ▼ |
| 18:00 - 19:00 | Break | |
| 19:00 - 21:00 | <u>Dinner @ Painter's, Bellport</u> (Bellport (Painter's)) | |

Mmm. More food.

Friday, 20 May 2016

| | | |
|---------------|---|---|
| 09:00 - 09:45 | DAQ/Trigger report 45' Speaker: Dr. Martin Purschke (BNL) | ▼ |
| 09:45 - 10:30 | HCAL report 45' | ▼ |
| 10:30 - 11:00 | Coffee break (Large Seminar Room Lobby) | |
| 11:00 - 11:45 | EMCal report 45' | ▼ |
| 11:45 - 12:30 | Magnet report 45' Speaker: Dr. Kin Yip (BNL) | ▼ |
| 12:30 - 14:00 | Lunch (Long Island (anywhere you please)) | |
| 14:00 - 14:45 | Electronics report 45' | ▼ |
| 14:45 - 15:30 | Computing report 45' Speakers: Dr. Jin Huang (Brookhaven National Lab), Dr. Chris Pinkenburg (BNL) | ▼ |
| 15:30 - 16:15 | Towards the EIC 45' Speaker: Prof. Abhay Deshpande (Stony Brook University) | ▼ |
| 16:15 - 18:00 | Software tutorial 1h45' Speaker: Dr. Jin Huang (Brookhaven National Lab) | ▼ |

A big focus of this meeting is ALD charge

- We have time for discussion – information from the project and the topical groups to inform us – everyone should feel free to raise points
 - Important for collaboration to function as a forum for good, solid scientific discussion
- Beyond this charge: other collaboration events on the horizon
 - PAC: June 16–17
 - RHIC Science and Technology (S&T) review: August 23–25
 - sPHENIX tracker review: late summer/early fall (post S&T review)
- We don't have solid info to convey concerning timing of DOE CD-0

Collaboration renaming?

Will not be “Boaty McBoatface” – that internet meme has ... sailed.



Collaboration renaming?

CELESTE

Lots of creative thinking
in the collaboration

SPHINX





science fiction 2022



It's the year 2022...

People are still the same.

They'll do anything to
get what they need.

And they need
SOYLENT GREEN.



SOYLENT GREEN

MGM Presents

CHARLTON HESTON • LEIGH TAYLOR-YOUNG in **SOYLENT GREEN**

Co-Starring

CHUCK CONNORS • JOSEPH COTTEN • BROCK PETERS • PAULA KELLY and EDWARD G. ROBINSON

Screenplay by

STANLEY R. GREENBERG • HARRY HARRISON

Produced by

WALTER SELTZER and RUSSELL THACHER

Directed by

RICHARD FLEISCHER

PG PARENTAL STRONG CAUTION

METROCOLOR PANAVISION

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PG PARENTAL STRONG CAUTION

METROCOLOR PANAVISION

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little initial “s”
as in
sPHENIX

OK, that’s
an Upsilon

(green font)

sOYLENT

not sure what
any of these
others mean